

Position: Aeronautical Engineering Intern  
Time: Summer 2017  
Location: Somerville, MA (just outside Boston)  
Contact: [jobs@altaerosenergies.com](mailto:jobs@altaerosenergies.com)



Altaeros Energies seeks aeronautical engineering interns to assist with computational fluid dynamics (CFD) simulations of a helium-filled aerostat. Some experience with CFD, preferably with ANSYS Fluent, is a requirement – please feel free to share any work examples, from classwork or elsewhere, with us.

Altaeros' core platform uses a helium-filled, inflatable shell to lift energy generation, communication and other payloads up to 600m above ground. Applications include energy and telecom in rural and remote areas around the world. Altaeros provides a fast-paced, dynamic work environment, and our interns are expected to quickly take on significant responsibility as they work with the team to further the company's goal of commercializing the world's first autonomous tethered airborne platform.

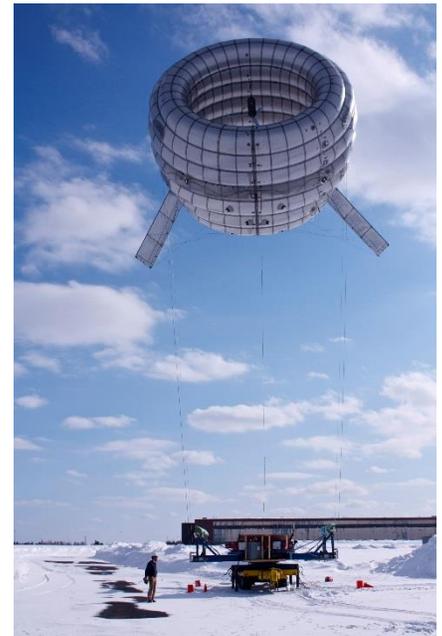
The internship lasts for Summer Semester and includes cash compensation. Altaeros is particularly interested in meeting candidates that may wish to remain involved with the company after the internship ends. To apply please send a resume and brief introduction with [Aeronautical Engineering Summer 2017 Intern] in the subject to [jobs@altaerosenergies.com](mailto:jobs@altaerosenergies.com).

#### Qualifications:

- Experience with major CFD software, preferably ANSYS Fluent or CFX
- Junior, Senior, Graduate Student, or recent graduate in Aeronautical Engineering or similar field
- Skills and training appropriate to the area (understanding of lift, drag, different components of drag; airfoil design tradeoffs; etc.)
- Experience with Matlab and good knowledge of Excel beneficial
- Ability to work independently to deliver high quality results on time
- 'Startup Attitude': Quick learner, passionate, nimble & adaptable

#### Responsibilities/Activities:

- 3D CFD analysis of the complete aerostat shell, using existing meshes
- Generation of new geometries and CFD meshes, using established best practice
- 2D design studies
- Analysis of flight data to validate models
- Opportunities to work with the Mechanical Engineering and/or Test Teams



#### About Altaeros Energies, Inc.

Our mission is to deliver the next generation of infrastructure to rural and isolated communities around the world - and to have fun doing it! We combine proven technology with flight control innovations that enable cost effective autonomous deployment of tethered airborne platforms. Applications for Altaeros' products include power generation, telecommunications, and technology enabled agricultural services. Founded in 2010, Altaeros launched the world's first fully functional airborne wind turbine in 2012 and is now working to develop the first commercial version. Altaeros Energies is a member company of Greentown Labs in Somerville, MA, the largest Cleantech incubator in North America.